Tritium Laboratory 27 August 2009

SWAB REPORT #527

SWAB DATE: 20 August 2009

R/V Atlantic Explorer And Radioisotope Van

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Distribution: SWAB Committee James Caison

LOCATION: St. George, Bermuda TECHNICIAN: Cecilia Roig VESSEL/LAB: R/V Atlantic Explorer	DATE: 20 August 2009 STATUS: See Comments.
SAMPLE SAMPLE IDENTIFICATION #	NET ACTIVITY EXTRACTED 3H dpm/m2 14C dpm/m2
1 Machine Blank	
2 Initial bucket blank	0 0
Aft/Wet Lab (See Figure 1)	
3 Inside fume hood	0 0
4 Deck in front of sink	0 0
5 Bench top fwd. of sink	0 0
6 Inside Roper freezer top	12 0
7 Inside Roper refrigerator bottom	78 0
8 Inside GE freezer top	0 0
9 Inside GE refrigerator bottom	0 0
10 Deck at fwd. entrance	0 19
11 Deck at stbd. entrance	0 0
Dry Lab (See Figure 1)	
12 Bench top aft of sink	0 0
13 Bench top fwd. of sink	0 0
14 Deck in front of sink	29 0
15 Inside stbd. entrance	0 0
16 Deck at entrance to Infirmary	32 0
17 Deck at entrance to Lounge	0 35
18 Deck below ice machine in Mess	0 0
Main Lab (See Figure 1)	
19 Deck inside aft entrance	0 0
20 Inside port Frigidaire freezer	0 0
21 Inside stbd. Frigidaire freezer	0 0
22 Bench top aft of sink	10 0
23 Bench top fwd. of sink	
24 Inside clean air bench	7 0
25 Stbd. bench top	0 0
26 Deck in front of freezers	5 0
27 Deck in front of stbd. bench	20 0
28 Aft bench top	0 0
29 Intermediate bucket blank	0 15
Radioisotope Van (See Figure 2)	
30 Inside fume hood	970* 59*
31 Inside GE refrigerator	12,530** 1,534*
32 Bench top left of fume hood	545* 61*
33 Sink area	827* 0
34 Fwd. bench top	140 34
35 Deck in front of sink	2,514* 151*
36 Deck at entrance to van	4,437* 71*
37 Final bucket blank	0 5

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Comments

All areas tested on ship were clean of isotope contamination. Minor tritium and C14 contamination found in the Radioisotope Van. Refrigerator in the van needs to be cleaned and it is recommended that deck areas in the van be cleaned to prevent tracking unto other ship areas.